

# Fractions, Percents + Decimal Notes

- ① Decimal  $\rightarrow$  Percent: move decimal 2 spots to the right

Example:  $0.82$        $0.82$        $82\%$   
 $0.343$        $0.343$        $34.3\%$

- ② Percent  $\rightarrow$  Decimal: move decimal 2 spots to the left

Example:  $74\%$        $74\%$        $.74$   
 $312\%$        $312\%$        $3.12$

- ③ Fraction  $\rightarrow$  Percent: ① turn into decimal (top  $\div$  bottom)  
② move decimal 2 spots to the right

Example:  $\frac{3}{4}$        $4 \overline{) 3.00}$        $75\%$   
       $\underline{-28}$   
       $20$   
       $\underline{-20}$   
       $00$

- ④ Percent  $\rightarrow$  Fraction: Have 2 options:

- ① write as a fraction and simplify

$25\%$        $\frac{25 \div 25}{100 \div 25} = \frac{1}{4}$

- ② write as decimal, then as fraction and simplify

$13.3\%$        $.133$        $\frac{133}{1000}$